

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,033,773 B1  
APPLICATION NO. : 09/696982  
DATED : April 25, 2006  
INVENTOR(S) : Bringhurst et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page, line 4, under ABSTRACT, replace “present-invention” with --present invention--.

Title Page 2, col. 1 line 9, under OTHER PUBLICATIONS, in Freyaldenhoven, A.M., et al., replace  
“modulaes” with --modulates--;

Col. 1 line 21, Under OTHER PUBLICATIONS, in Fukayama, S., et al., 1992, replace  
“SaOs-2” with --SaOS-2--.

Column 1, Line 45, replace “whitfield” with --Whitfield--.

Column 2, Line 28, replace “3639” with --3039--;

Line 63, replace “Endocinology” with --Endocrinology--.

Column 5, Line 41, replace “PTHR” with --PTHR.--.

Column 7, Line 27, replace “metallotionein” with --metallothionein--.

Column 8, Lines 20-21, replace “orestimating” with --or estimating--.

Column 10, Line 40, replace “arnide” with --amide--;

Line 49, replace “Na<sub>2</sub>HPO<sup>4</sup>” with --Na<sub>2</sub>HPO<sub>4</sub> --;

Line 50, replace “isobtylmethylxanthine” with --isobutylmethylxanthine--.

Column 12, Line 25, replace “determinant” with --determinant--.

Column 15, Line 34, replace “hPTMs” with --hPTHRs--;

Signed and Sealed this  
Seventh Day of February, 2012

A handwritten signature in black ink, reading "David J. Kappos". The signature is written in a cursive, slightly stylized font. The "D" is large and loops around the "a". The "K" is prominent, and the "os" at the end is written with a flourish.

David J. Kappos  
*Director of the United States Patent and Trademark Office*

**CERTIFICATE OF CORRECTION (continued)**

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**U.S. Pat. No. 7,033,773 B1**

Line 51, replace “(1995)) Similar” with -- (1995)). Similar--.

Column 16, Line 23, replace “(1996))” with --(1996)).--.

Column 17, Line 28, replace “were have observed” with --were observed--.

Column 22, Line 67, replace “cells were used” with --cells used--.